

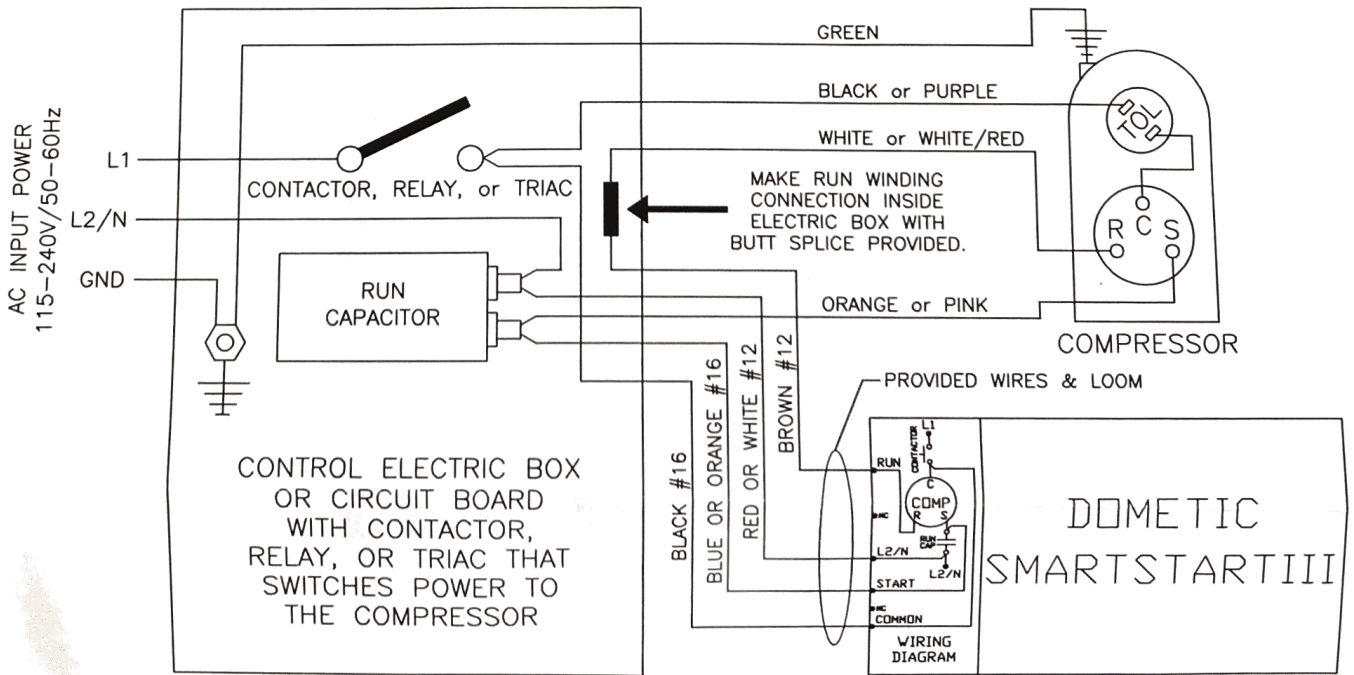
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REV	DATE	REVISION DESCRIPTION	DWG	APR
A	4/9/15	REV SSII L2 CONNECTION TO RED OR WHITE, CAD233-15	DRR	TV
B	01/12/17	NOW SMARTSTART III, BLUE/ORNG START WIRE, CAD029-17	CT	TV
C	03/27/18	UPDATE INSTRUC. STEP 9 FOR U-BOARD WIRING, CAD321-18	CT	JPR
D	6/12/18	ADDED INSTALL INSTRUCTIONS/ EDIT VERBIAGE, CAD601-18	CT	TV

# INSTRUCTIONS TO INSTALL DOMETIC SMARTSTARTIII

**\*WARNING\* TURN BREAKER OFF BEFORE SERVICING.**

- IF UNIT USES A START ASSIST (PTCR OR CERAMITE), REMOVE IT COMPLETELY.
- IF THE UNIT USES A START RELAY AND A START CAPACITOR REMOVE THE START CAPACITOR AND ITS CONNECTIONS TO START RELAY TERMINAL #1 AND TO THE RUN CAPACITOR. IT MAY BE IMPRACTICAL TO REMOVE THE START RELAY. IF THE START RELAY IS REMOVED, MAKE SURE THE WIRE CONNECTIONS THAT PASSED THROUGH ITS TERMINALS ARE PROPERLY SPLICED.
- (FOR CRUISAIR STQ, SQUF, OR SQL UNITS ONLY. SKIP THIS STEP IF OTHERWISE) IF THE UNIT USES A REV B Q-RELAY BOARD (4120050) WITH A YELLOW STICKER TO SWITCH POWER TO THE COMPRESSOR, REFER TO THE D8010003 SMARTSTART INSTALLATION ADDENDUM FOR FURTHER INSTRUCTIONS BEFORE PROCEEDING WITH STEP 4. IF THE UNIT USES A REV C Q-RELAY BOARD WITH A BLUE STICKER (SHIPPED AFTER 7/2010) OR USES A TRIAC (SHIPPED BEFORE 11/2009), PROCEED DIRECTLY TO STEP 4.
- IF THE REMOVAL OF THE START COMPONENTS CREATES ENOUGH ROOM INSIDE THE ELECTRIC BOX, MOUNT THE SMARTSTART INSIDE THE BOX USING THE DOUBLE ADHESIVE TAPE PROVIDED. ONLY IN THIS CASE CAN THE PROVIDED WIRE LOOM BE ELIMINATED.
- IF THERE IS NOT ENOUGH ROOM INSIDE THE ELECTRIC BOX, MOUNT THE SMARTSTART JUST OUTSIDE USING THE DOUBLE ADHESIVE TAPE SUCH THAT THE WIRES AND LOOM CAN REACH ALL THE NECESSARY CONNECTIONS INSIDE THE ELECTRIC BOX. THE SMARTSTART SHOULD BE MOUNTED IN AN AREA WHERE IT WILL NOT BE EXPOSED TO WATER. UNIT WILL MALFUNCTION IF EXPOSED TO WATER WITH RISK OF FIRE. THIS UNIT SHOULD BE MOUNTED IN A VERTICAL ORIENTATION WITH THE WIRES TO THE BOTTOM OF THE SMARTSTART.
- REMOVE THE COMPRESSOR RUN WIRE FROM ITS EXISTING CONNECTION AND SPLICE IT TO THE BROWN WIRE ON THE SMARTSTART USING THE BUTT SPLICE PROVIDED.
- CONNECT THE RED OR WHITE WIRE FROM THE SMARTSTART TO THE L2 TERMINAL ON THE RUN CAPACITOR USING THE FLAG TERMINAL PROVIDED.
- CONNECT THE ORANGE WIRE FROM THE SMARTSTART TO THE START WINDING TERMINAL ON THE RUN CAPACITOR USING THE FLAG TERMINAL PROVIDED.
- CONNECT THE BLACK WIRE FROM THE SMARTSTART TO THE COMPRESSOR COMMON OUTPUT TERMINAL USING THE CAPTIVE SPADE TERMINAL PROVIDED:
  - FOR MARINE AIR SYSTEMS PASSPORT I/O OR DDC CIRCUIT BOARDS, CONNECT TO THE "COMP L1" TERMINAL SCREW.
  - FOR CRUISAIR SMXII OR Q-LOGIC CIRCUIT BOARDS, CONNECT TO THE "PUMP L1" TERMINAL SCREW.
  - FOR SYSTEMS WITH CONTACTORS, CONNECT TO THE T1 TERMINAL (OUTPUT SIDE OF L1) ON THE CONTACTOR.
  - FOR DOMETIC SYSTEMS WITH UNITY CIRCUIT BOARDS, CONNECT TO THE "COMP L1" TERMINAL SCREW.
- CLOSE THE ELECTRIC BOX AND RE-APPLY POWER TO THE SYSTEM. ALLOW THE SMARTSTART 5-10 START CYCLES TO OPTIMIZE ITSELF.



<b>DOMETIC</b>				
SMARTSTARTIII INSTALLATION WIRING DIAGRAM				
115-240V/50-60HZ/1φ				
DATE: 12/18/14	DWG BY: DRR	PART NUMBER: 0880307	DWG	REV D
SCALE: NTS	APR BY: TV		<b>D8010006</b>	